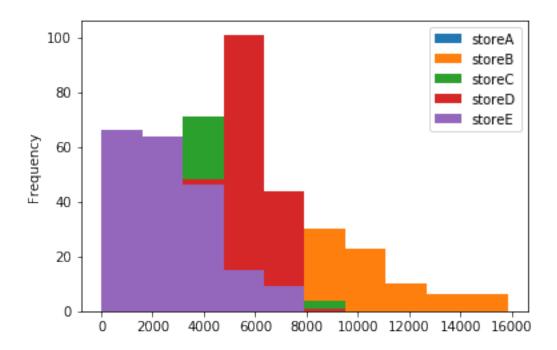
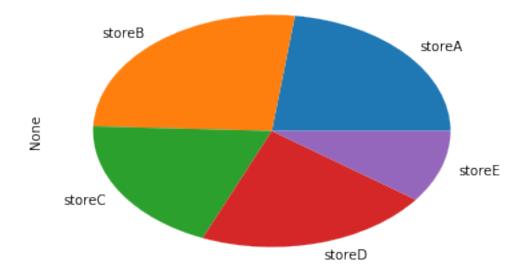
communicate_quiz

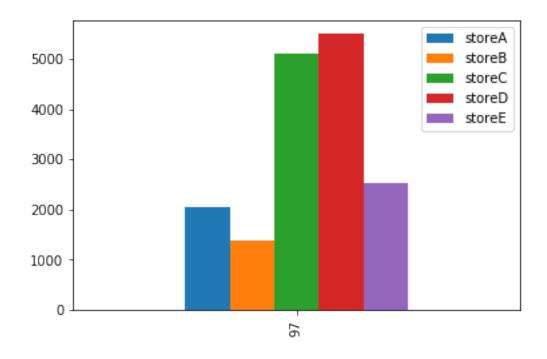
May 28, 2020

```
In [9]: # imports and load data
        import pandas as pd
        import numpy as np
        import matplotlib as mtb
        df= pd.read_csv('store_data.csv')
In [22]: \# explore data
         df.plot(kind='hist')
         df.head()
         df.describe()
         df.info()
         df.tail()
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 200 entries, 0 to 199
Data columns (total 6 columns):
          200 non-null object
week
storeA
          200 non-null int64
          200 non-null int64
storeB
          200 non-null int64
storeC
storeD
          200 non-null int64
          200 non-null int64
storeE
dtypes: int64(5), object(1)
memory usage: 9.5+ KB
Out[22]:
                    week storeA storeB storeC storeD storeE
         195 2018-01-28
                             282
                                    6351
                                            7759
                                                     5558
                                                             1028
         196 2018-02-04
                            4853
                                    6503
                                             4187
                                                     5956
                                                             1458
         197 2018-02-11
                            9202
                                    3677
                                             4540
                                                     6186
                                                              243
         198 2018-02-18
                            3512
                                    7511
                                             4151
                                                     5596
                                                             3501
         199 2018-02-25
                            7560
                                    6904
                                             3569
                                                     5045
                                                             2585
```





Out[42]: <matplotlib.axes._subplots.AxesSubplot at 0x7f4b6a67ef28>



Out[31]:		week	${ t store A}$	${ t store B}$	${ t storeC}$	${ t storeD}$	${ t store E}$
	195	2018-01-28	282	6351	7759	5558	1028
	196	2018-02-04	4853	6503	4187	5956	1458
	197	2018-02-11	9202	3677	4540	6186	243
	198	2018-02-18	3512	7511	4151	5596	3501
	199	2018-02-25	7560	6904	3569	5045	2585

In [44]: df.sum()

Out[44]:	week	2014-05-042014-05-112014-05-182014-05-252014-0	
	storeA	1173096	3
	storeB	1351342	2
	storeC	988421	L
	storeD	1086281	L
	storeE	516005	5

dtype: object

In []: